AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 6

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
000001	07/01/2009		

6. ISSUED BY CODE SSC

NASA/Stennis Space Center
Office of Procurement / DA10
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

7. ADMINISTERED BY *(If other than Item 6)* CODE SSC

NASA/Stennis Space Center
Office of Procurement / DA10
Building 1100 Room 251H
Stennis Space Center MS 39529-6000

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

CODE FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.
NNS09287228R

X 9B. DATED *(SEE ITEM 11)*
06/08/2009

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. DATED *(SEE ITEM 13)*

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 3 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not. ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

INCO TERMS 2: DESTINATION
LIST OF CHANGES:

The purpose of this amendment is to change the due date for offers. Block 8 of the original 1449, offer due date/local time as it reads "07/10/09- 1500 LT" is hereby changed to read "07/13/09-1500 LT".

This amendment also incorporates SSC responses to Questions as follows:

1.) For the third paragraph in Section 01 11 00.00 40, Part 2.2.2, on page 9, can it be assumed that minimum hydraulic supply pressure will or needs to be no less than 3000 psi at

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
		James D. Huk II	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		*(Signature of Contracting Officer)*	

ITEM NO (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	the start of the cycles? If not, what is the minimum pressure allowed or possible at the start of the cycles? Also, what is the maximum possible or allowed pressure? Answer: The preliminary design was based on a hydraulic system operating at 3000 psi. The maximum and minimum hydraulic system operating pressures will be dependent on the design of the bypass valve and bypass valve operator and must be consistent with the stroke times and stroke cycle requirements specified in the specification as well as all other related requirements specified in the specification. 2.) For the first paragraph in Section 01 11 00.00 40, Part 2.2.2, on page 9, are ball valves allowed as the isolation valves to attain required flow capacity in smaller size and is an isolation valve required for each accumulator? Answer: Ball valves are allowed as isolation valves. An isolation valve is required for each accumulator. 3.) For the second paragraph in Section 01 11 00.00 40, Part 2.2.3, on page 10, what is the allowed tolerance range for the 65 BTU/ft^2-sec heat flux? Answer: 65 BTU/ft^2-sec is the maximum heat flux the valve will be required to operate against. 4.) In Section 33 56 53, Part 2.1.2, on page 5, does the plate need to be carbon steel? Are any other iron or steel alloys allowed for plate? Answer: The material selected must meet the requirements of ASME B&PVC Section VIII Div 1 as well as all other requirements called out in the specification. 5.) In Section 33 56 53, Part 2.3.6.2, on page 7, can backing bar, strap, or ring be removed or ground out instead of being welded to produce a continuous backing element? Are any special provisions required if the backing bar, strap. or ring is removed or ground out; e.g. smooth surfaces flush with base metal surfaces? Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Answer: The backing bar, strap or ring can be removed. If it is removed then the remaining surface shall be ground smooth and flush with the base metal surface. 6.) In Section 33 56 53, Part 2.5.1, on page 8, is Buna-N (Nitrile), Viton, or Filled PTFE allowed for gasket material? It is assumed that gaskets cannot contain asbestos, even if non-friable, is this a correct assumption? Answer: Buna-N (Nitrile), Viton, and/or Filled PTFE are allowed for gasket material. Asbestos gaskets and gaskets containing any asbestos are not permitted. 7.) In Section 41 24 26, Part 2.1.4, on page 9, are di-electric couplings, insulating spacer, grommet, and gasket materials required where dissimilar metals would otherwise come into contact? Are insulating barrier coatings allowed to prevent contact between dissimilar metals? Answer: Di-electric couplings, insulating spacer, grommet, and gasket materials are required where dissimilar metals would otherwise come into contact. Insulating barrier coatings are allowed to prevent contact between dissimilar metals. 8.) In Section 41 24 26, Part 2.5.1, on page 12, what is meant by 6 inch and larger for accumulator size, the O.D. or total overall length equals or exceeds 6 inches? Is there a maximum allowed volume for accumulators not built to ASME BPVC? Answer: The referenced Part is 2.9.4 on page 15 instead of Part 2.5.1 on page 12. Delete the phrase "6 inches and larger" from the third sentence of Section 41 24 26, Part 2.9.4, on page 15. All accumulators, regardless of size, shall be designed and constructed in accordance with ASME BPVC Section VIII, Div. 1. 9.) In Section 41 24 26, Part 2.6, on page 13, do valve pressure boundary wall thicknesses and dimensions and body patterns need to conform to any ASME specifications/standards? Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Answer: The valves shall meet the requirements of ANSI B31.1. 10.) In Section 41 24 26, Part 2.6.6.1, on page 14, do valves have to be "top entry" type? Do material requirements apply to bonnets and other parts of valve? Answer: Top Entry valves are not required. The material used in the valves shall meet the requirements of ANSI B31.1. 11.) In Section 41 24 26, Part 2.8, on page 14, do filter bodies/housings need to be designed and stamped in accordance with ASME BPVC Section VIII? Answer: The filter design must meet the requirements of ANSI B31.1. 12.) In Section 41 24 26, Part 2.9.1, on page 15, does the tubing need to be 37-degree flared (other types of tubing called out in SSTD-8070-0126)? Answer: Paragraph 2.9.1.2 requires the use of 37 deg flared tube fittings. All tubing needs to have 37-degree flared ends as required in SSTD-8070-0126 where connected to tube fittings and other hardware/equipment. 13.) In Section 41 24 26, Part 2.9.4, on page 15, we assume that all sealing surfaces, including glands and grooves in addition to counterbores, need to be machined smooth and flat. Is this correct? Is there any surface finish requirement? Answer: The assumption is correct. The finish requirements for all seal contact surfaces shall meet the requirements or recommendations of the manufacturers for o-rings, seals, etc. 14.) 13.) In Section 41 24 26, Part 3.5.1, on page 24, we assume that aluminum surfaces are not to be painted. Any anodizing or other types of corrosion protection needed for aluminum surfaces? Answer: Aluminum surfaces are not to be painted. No further corrosion protection is needed unless the aluminum alloy used dictates additional Continued ...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	corrosion protection. 15) Spec. 01.11.00.00.40, p.10, Sect.2.2.3., 3rd paragraph: The cooling water supply pressure is given as GAUGE and the required isolation valve inlet pressure is given as ABSOLUTE - is this correct? Answer - Yes, this is correct. Note this is based on water passages as we have designed them in diffuser sections, as in the reference drawings provided. 16) Spec. 01 11 00.00 40, p. 11, Sect. 2.2.6: Does "Gate to Valve Body Sealing" refer to the open position, the closed position, or both? Answer - Both 17) Spec. 01 11 00.00 40, p. 13, Sect. 2.2.12, a., ii: Should "11 inch by 6 inch" be "11 foot 6 inch"? Answer - Yes, 11 foot 6 inch 18) Spec. 26 29 23, p. 4, Sect. 2.2.1: The requirement states "An operator station will be required for shop checkout only". This implies that the HPU and the Isolation Valve will not be operated together as a shop test - is that correct? Answer - No If that is correct, then it further implies that a separate non-deliverable HPU will be required for shop operation of the Isolation Valve. Is that also correct? Answer - N/A -- What is desired is that the actual valve, HPU, and accumulators be used in shop checkout. The reason for an operator station is that when the valve is installed in the facility, the facility control system will control valve operation, so an operator station is only required for shop checkout. Also implied, or stated elsewhere, there may be some connecting piping and/or hoses required for shop checkout only. Continued ...				

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	19) FAR 52.225-1 (Buy America Act): If manufacturing of the Isolation Valve is conducted outside of the US, is that acceptable as long as it is identified in the proposal? Answer - any items manufactured must be identified in proposals in accordance with FAR 52.225-1 and FAR 52.225-2. 20)The due date is July 7/10/2009. We think this will be enough time for us to design the valve and actuation system but if we need more time could an extension be allowed? Answer - the original due date indicated in block 8 of the 1449 as it reads is changed from "07/10/09" and is hereby changed to read "07/13/09".				